Stud_ID *	Stud_Name	Course_ID	Course_Name	Grade
1	John Smith	ICS112	Intro to Programming	A-
1	John Smith	ICS122	Data Algorithms	C
1	John Smith	MATH170	Linear Algebra	C
2	Jane Doe	ICS112	Intro to Programming	B
2	Jane Doe	MATH170	Linear Algebra	B+
2	Jane Doe	ENG123	Technical Writing	A+

Normalization				
UNF	1NF	2NF	3NF	Entity
Stud_ID *	Stud_ID *	Stud_ID *	Stud_ID *	Student
Stud_Name	Stud_Name	Stud_Name	Stud_Name	
Course_ID *				
Course_Name	Stud_ID*	Stud_ID *	Stud_ID *	Grade
Grade	Course_ID *	Course_ID*	Course_ID *	
	Course_Name	Grade	Grade	
	Grade			
		Course_ID *	Course_ID *	Course
		Course_Name	Course_Name	

Course	
Course_ID *	Course_Name
ICS112	Intro to Programming
ICS122	Data Algorithms
MATH170	Linear Algebra
ENG123	Technical Writing

Grade		
Stud_ID *	Course_ID *	Grade
1	ICS112	A-
1	ICS 122	C
1	MATH170	C
2	ICS112	B
2	MATH170	B+
2	ENG123	A+

Student	
Stud_ID *	Stud_Name
1	John Smith
2	Jane Doe